



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

D3235-1

Job Sheet 170998



Part No: D3235-1

Job Qty: 100 ea

42.

Part Name: Mounting Lug



Part Weight: 0 lbs

Status: Scheduled

Priority: Medium

Job Created: 1/25/18

Job Tracking No:

Due Date: 2/8/18

Created By: Linda Lacelle

Type: Stock

Description:

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup hrs	Run Hrs	Workcenter / Supplier	Lead Time	
110	Purchasing	100 pcs		2/7/18	0.00	0.00	Purchasing		AT 18/02/18
120	Packaging	100 pcs		2/7/18	0.00	0.00	Packaging2		AT 18/02/18
130	QC	100 pcs		2/7/18	0.00	0.00	QC6		PD 18-02-02
140	HandFinish	100 pcs		2/7/18	0.00	0.80	HandFinish1		
150	QC	100 pcs		2/7/18	0.00	0.00	QC3		
160	Powdercoat	100 pcs		2/8/18	0.00	0.95	Powdercoat1		
170	QC	100 pcs		2/8/18	0.00	0.00	QC3		
180	Packaging	100 pcs		2/8/18	0.00	0.00	Packaging3-1	\$522	
190	QC21-SA	100 Ea		2/8/18	0.00	0.00	QC21		MCS FEB 05 2018

Part Op 110 - Issue P/O to Metec : 035584 Machine as per dwg

Descriptions: 120 - Ensure C of C is attach

160 - START TIME: _____

WLB JAN 26 2018

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
D2423	Lug Extrusion	6.8300 ft (.0683 ea)	110-Purchasing	B160522
D3235-1P	Lug	100 pcs (1 ea)	110-Purchasing	

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
110-Purchasing	D2423	7	829	0
	D3235-1P	100	0	0

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE



QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____ Date : _____ Description : _____	DISPOSITION Rework ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Cross tube ☐	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%;"> Water Jet ☐ I. Eng. Coord. ☐ e/Packaging Supplier ☐ </td> <td style="width:50%;"> Engineering Quality ☐ Other ☐ </td> </tr> <tr> <td colspan="2">MRB (QSI042) Approval</td> </tr> <tr> <td colspan="2">Completed By</td> </tr> <tr> <td colspan="2">Lead hand / Supervisor Approval Verification</td> </tr> <tr> <td colspan="2">QC / QA Coordinator Approval</td> </tr> </table>	Water Jet ☐ I. Eng. Coord. ☐ e/Packaging Supplier ☐	Engineering Quality ☐ Other ☐	MRB (QSI042) Approval		Completed By		Lead hand / Supervisor Approval Verification		QC / QA Coordinator Approval																																											
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Job No: 170998 Mfg Date: 02/01/18 Purchasing Operation: Revision: Original Serial #: S038171 PART NO: D3235-1																																																							
Mounting Lug 																																																							
S038171 www.dartaerospace.com Email: sales@dartaero.com TEL: 1 613 632-5200 CANADA Hawkesbury, ON K64 1K7 1270 Aberdeen Street																																																							
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OTHER : _____																																																							

Part Specifications					
Spec No	Description	Target/Tolerance	Limits	Type	Special Comments
1	Mounting Log	4.450inches $\pm$ 0.010	4.460 4.440		
2	Mounting Log	0.306inches $\pm$ 0.010	0.316 0.296		
3	Mounting Log	1.850inches $\pm$ 0.030	1.880 1.820		
4	Mounting Log	1.200inches $\pm$ 0.010	1.210 1.190		
5	Mounting Log	0.125inches $\pm$ 0.010	0.135 0.115		
6	Mounting Log	0.400inches $\pm$ 0.010	0.410 0.390		
7	Mounting Log	0.735inches $\pm$ 0.030	0.765 0.705		
8	Mounting Log	0.505inches + 0.005 - 0.000	0.510 0.505		
9	Mounting Log	0.380inches $\pm$ 0.030	0.410 0.350		
10	Mounting Log	3.700inches $\pm$ 0.005	3.705 3.695		
11	Mounting Log	0.375inches $\pm$ 0.010	0.385 0.365		
12	Mounting Log	0.750inches $\pm$ 0.010	0.760 0.740		
13	Mounting Log	0.257inches + 0.005 - 0.000	0.262 0.257		
14	Mounting Log	0.380inches $\pm$ 0.030	0.410 0.350		

Plex 1/25/18 12:37 PM dart.lacelle.linda

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

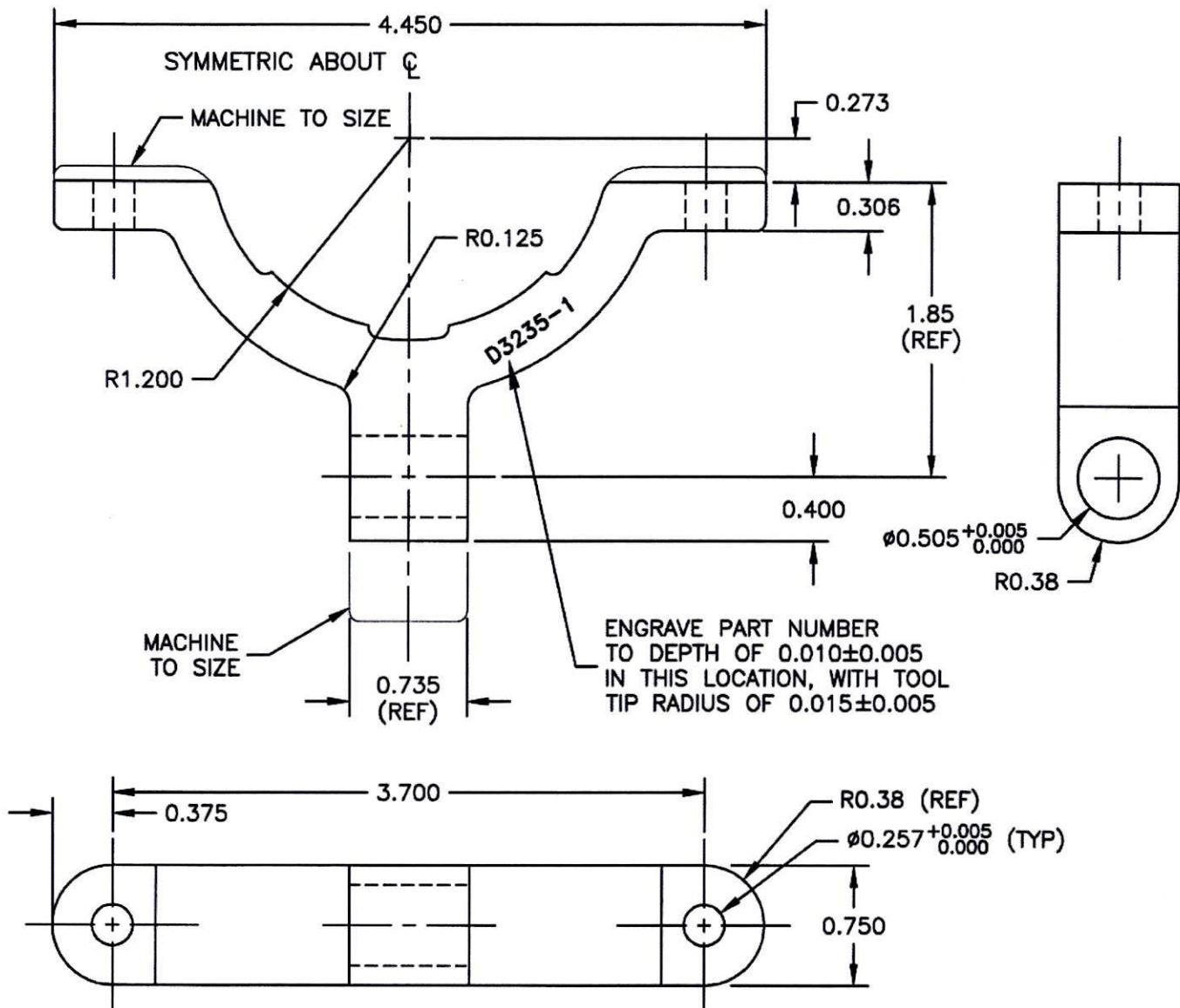
QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval		
Description Work Order Deviation				Disposition					
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐	OTHER :							
Misidentified ☐	Past Due ☐								

DART

DESIGN CP	DRAWN BY CP	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED #	APPROVED #	DRAWING NO. D3235	REV. A SHEET 1 OF 1
DATE 04.03.02	TITLE MOUNTING LUG		SCALE 1:1
A	04.03.02	NEW ISSUE	

RELEASED
040405**D3235-1 MOUNTING LUG**

MAKE FROM EXTRUSION D2423

BREAK ALL EDGES 0.000-0.015

FINISH: ACID ETCH AND ALODINE PER DART QSI 005 4.1

POWDER COAT WHITE (4.3.5.1) PER DART QSI 005 4.3

TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED

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Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER PO038884

Supplier:

MEM001-VC
Metec Metal Technology Inc.
20 Terry Fox Drive PO Box 781
Vankleek Hill
ON
K0B 1R0 Canada
Phone: 613 678 3957
Fax: 613 678 3956

PO No: PO038884

PO Date: 1/26/18

Due Date: 2/2/18

Purchase Order

Revision:

Revision Date:

Ship-To Contact:

Baker, DianePhone: *607*
dbaker@dartaero.com

Attention: Walz, Shigi

Via:

Pynt Terms:

Freight Terms:

Special Comments:

E-MAILED
JAN 29 2018

Ground
Net 30

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

Items

Line Item	Part	Supplier Part No	Item No	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	D2230-3P			Lug As Per Dwg D2230 Rev. G Alodine and Paint as per QSI005	Firmed	2/2/18	160 pcs ✓	0 pcs	160 pcs	\$13.80/pcs	\$2,208.00
											<i>At 18/01/31</i>

Line Item Note job# 170990

2	D3235-1P			Lug As Per Dwg D3235 Rev. A Alodine and Paint as per QS 1005	Firmed	2/2/18	42 pcs ✓	0 pcs	42 pcs	\$15.00/pcs	\$630.00
											<i>At 18/01/31</i>

Line Item Note job# 170998

3	D2230-1P			Lug As Per Dwg D2230 Rev. G Alodine and Paint as per QSI 005	Firmed	2/2/18	10 pcs ✓	0 pcs	10 pcs	\$16.10/pcs	\$161.00
											<i>At 18/01/31</i>
4	D3910-1P			Crosstube Lug As Per Dwg D3910 Rev. E Alodine and Paint as pe QSI 005	Firmed	2/2/18	20 pcs ✓	0 pcs	20 pcs	\$16.10/pcs	\$322.00
											<i>At 18/01/31</i>

Line Item Note job# 171073

5	D3910-3P			Crosscube Lug As Per Dwg D3910 Rev. E Alodine and Paint as Per QSI 005	Firmed	2/2/18	35 pcs ✓	0 pcs	35 pcs	\$16.10/pcs	\$563.50
											<i>At 18/01/31</i>

Line Item Note job# 171074

6	D3910-7P			Crosscube Lug As Per Dwg. D3910 Rev. E Alodine and Paint as Per QSI 005	Firmed	2/2/18	20 pcs ✓	0 pcs	20 pcs	\$16.10/pcs	\$322.00
											<i>At 18/01/31</i>

Line Item Note job# 171075



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER PO038884

Items											
Line Item	Part	Supplier Part No	Item No	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
7	D2230-3P			Lug As Per Dwg D2230 Rev. G Alodine and Paint as per QSI005	Firmed	2/23/18	80 pcs	0 pcs	80 pcs	\$13.80/pcs	\$1,104.00
Line Item Note job# 171142											
8	D3235-1P			Lug As Per Dwg D3235 Rev. A Alodine and Paint as per QS I005	Firmed	2/23/18	58 pcs	0 pcs	58 pcs	\$15.00/pcs	\$870.00
Line Item Note job# 171144											
9	D2230-1P			Lug As Per Dwg D2230 Rev. G Alodine and Paint as per QSI 005	Firmed	2/23/18	90 pcs	0 pcs	90 pcs	\$16.10/pcs	\$1,449.00
Line Item Note job# 171145											
										Grand Total:	\$7,629.50

Order Notes

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Procurement Quality Clauses

- A005 RIGHT OF ENTRY
- A007 FIRST ARTICLE INSPECTION (FAI) BY SELLER, (DOCUMENTATION MAINTAINED BY SUPPLIER)
- A012 CHEMICAL AND PHYSICAL TEST REPORTS
- A016 PERSONNEL QUALIFICATION
- A017 RAW MATERIAL IDENTIFICATION (AS APPLICABLE)
- A026 CERTIFICATION OF MATERIAL CONFORMANCE
- A041 QUALITY MANAGEMENT SYSTEM
- A042 DART NOTIFICATION BY SUPPLIER
- A043 RETENTION OF QUALITY DOCUMENT
- A048 COUNTERFEIT PARTS AVOIDANCE, DETECTION, MITIGATION AND DISPOSITION PROGRAM
- A049 SUPPLIER AWARENESS

ag
P.B.

Plex 1/29/18 2:30 PM dart.baker.diane



20 Terry Fox Drive, Vankleek Hill, Ontario K0B 1R0

Tel. (613) 678-3957 & (613) 678-2782 Fax (613) 678-3956 metec@metec.ca

CERTIFICATE OF CONFORMITY

SOLD TO:

Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, Ont.
K6A 1K7

SHIPPED TO:

same

<u>QUANTITY</u>	<u>PART NUMBER</u>	<u>PART NAME</u>	<u>P.O. NUMBER</u>
160	D2230-3	Mounting Lug Paint Batch # 21567 / Material Batch # 160522	38884
42	D3235-1	Mounting Lug Paint Batch # 21566 / Material Batch # 160522	38884
10	D2230-1	Mounting Lug Paint Batch # 21597 / Material Batch # 160522	38884
35	D3910-3	Crosstube Lug Paint Batch # 21207 / Material Batch # 160522	38884
20	D3910-7	Crosstube Lug Paint Batch # 20366 / Material Batch # 131451	38884
20	D3910-1	Crosstube Lug Paint Batch #21566 / Material Batch # 160522	38884

MATERIAL: supplied by DART

We hereby certify that the above parts were made in conformance with applicable drawings.

METEC Metal Technology Inc.

Heather Nixon

Vankleek Hill, January 29, 2018